

Qualys Container Security

Comprehensive Security for the ever-changing Container Stack

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Agenda

Container Advantages

Container Deployments

Visibility & Control Challenges

Qualys Container Security Solution

Demo

Q&A



Everybody Loves Containers



Portability

Agility

Density

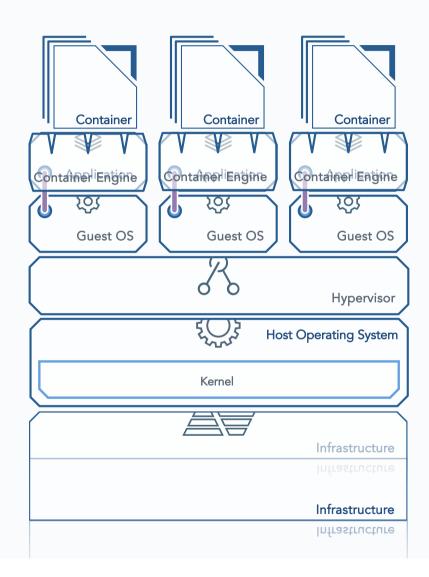




Deployment Scenario #1

Use Case

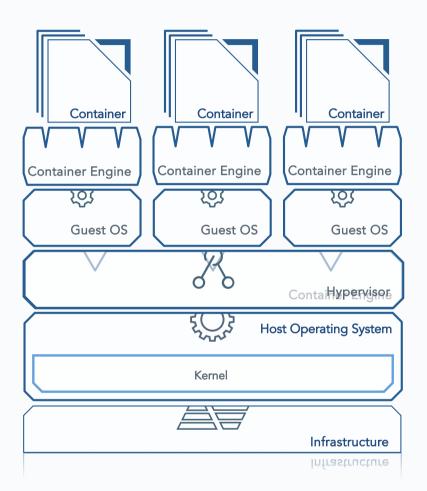
- 1. Shrinking infrastructure, as organizations continue migration to the cloud
- 2. Containers deployed within Virtual Machines
- 3. But organizations still have the overhead and costs of the hypervisor and virtual machines



Deployment Scenario #2

Use Case

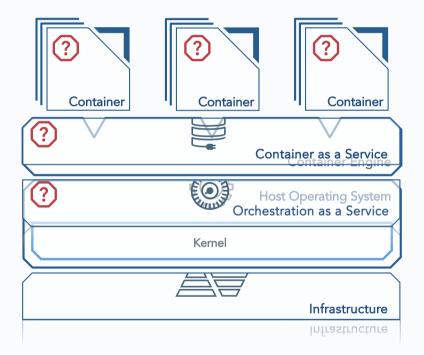
- 1. The orchestration battle ends with Kubernetes winning 80% of the market
- 2. But organizations struggle to scale their own Kubernetes clusters



Deployment Scenario #3

Use Case

- Container-as-a-Service and Orchestration-asa-Service adoption accelerate container adoption
- 2. Now where do you put security?





Container Lifecycle Challenges

Container Images

Container Registry

Container Instances Infrastructure

Build

What's in the images?

Vulnerabilities?

OSS license exposure?

Solution disruptive to my CI Pipeline?

Scanning report integrated with bug tracking?

Ship

Registry scanning?

Enforce compliance?

Vulnerability, package and license-based rules?

Vulnerability impact notifications?

Run

How to protect host?

Container engine configured correctly?

Container orchestration configured correctly?

Runtime app visibility?

Runtime app protection?





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Container Instances Container Images Container Registry Infrastructure Build Ship Run Software Composition Registry Scanning **Host Protection Vulnerability Analysis** Compliance Controls Container Engine Benchmarking **OSS License Analysis** Vulnerability, Package and License-based **Container Orchestration** Integration with CI Benchmarking Rules **Pipelines** Deep Runtime Visibility Real-time Vulnerability **Bug Tracking Integration** Impact Notifications **Runtime Protection**

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Host Protection

CIS Benchmarks

Protection for container infrastructure stack

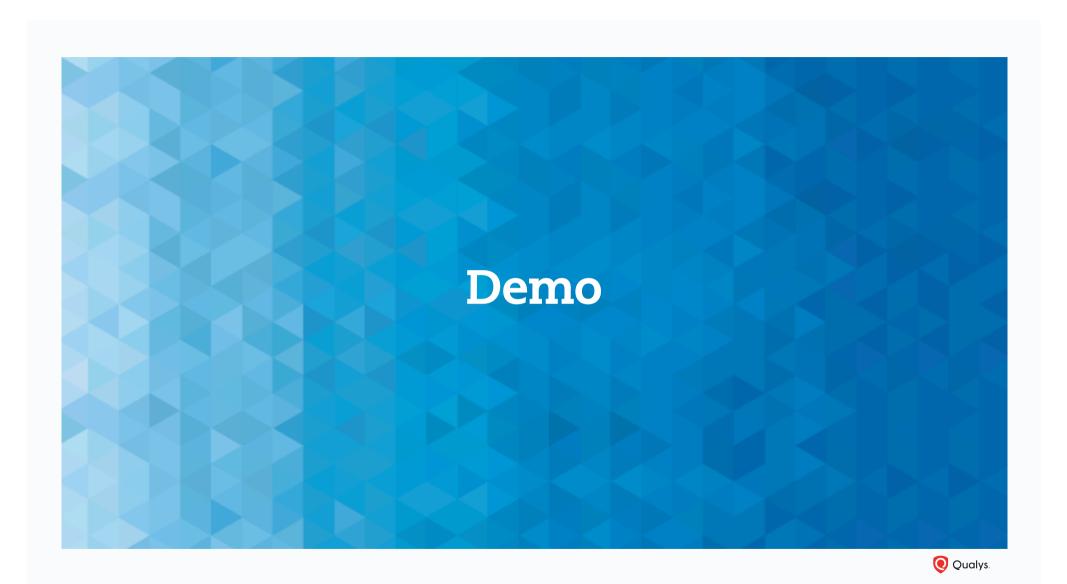
Scanning & Compliance

Accurate insight and control of container images

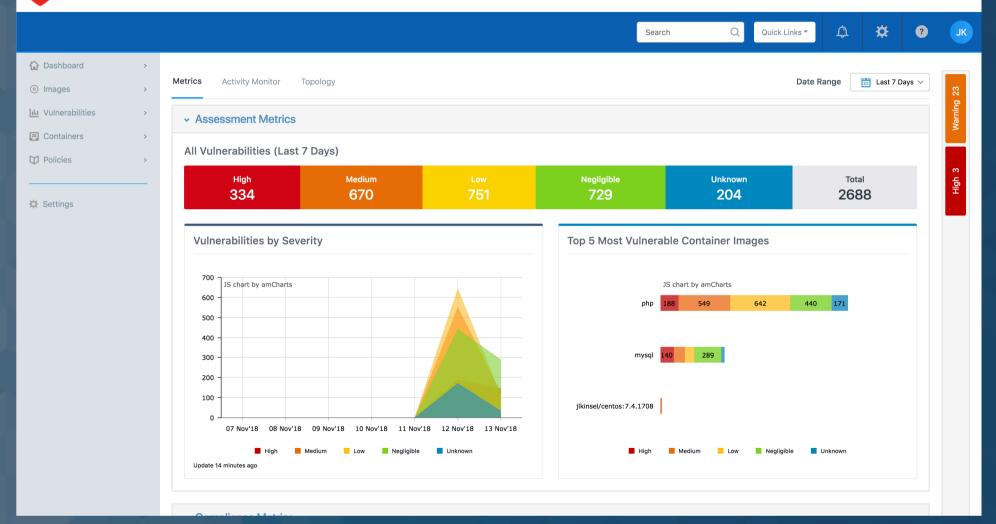
Visibility & Protection

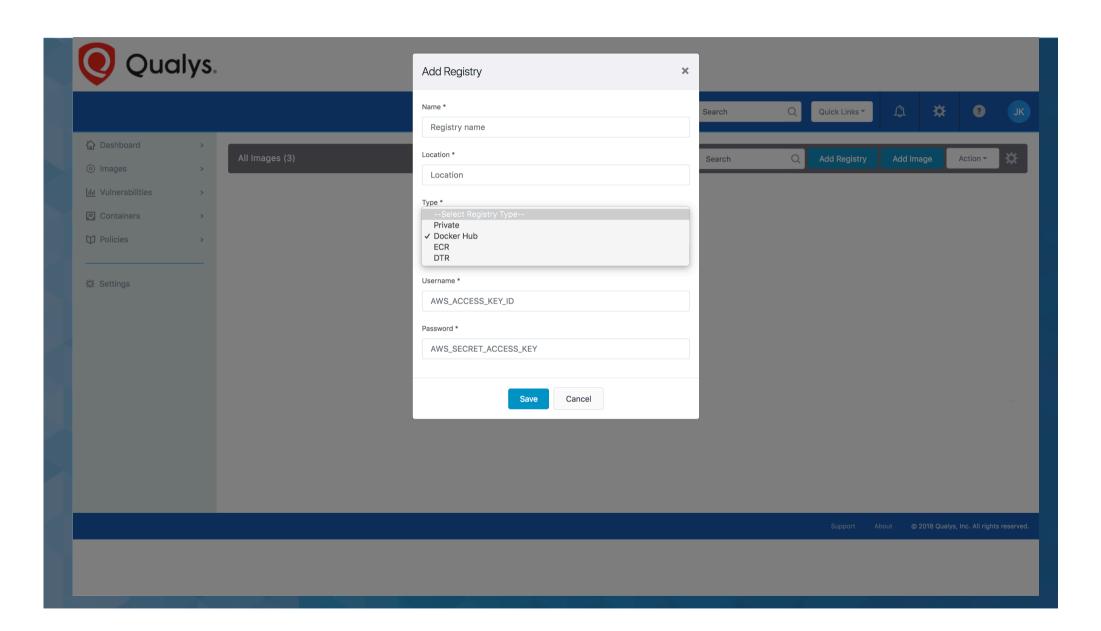
Automated analysis and enforcement of container behavior

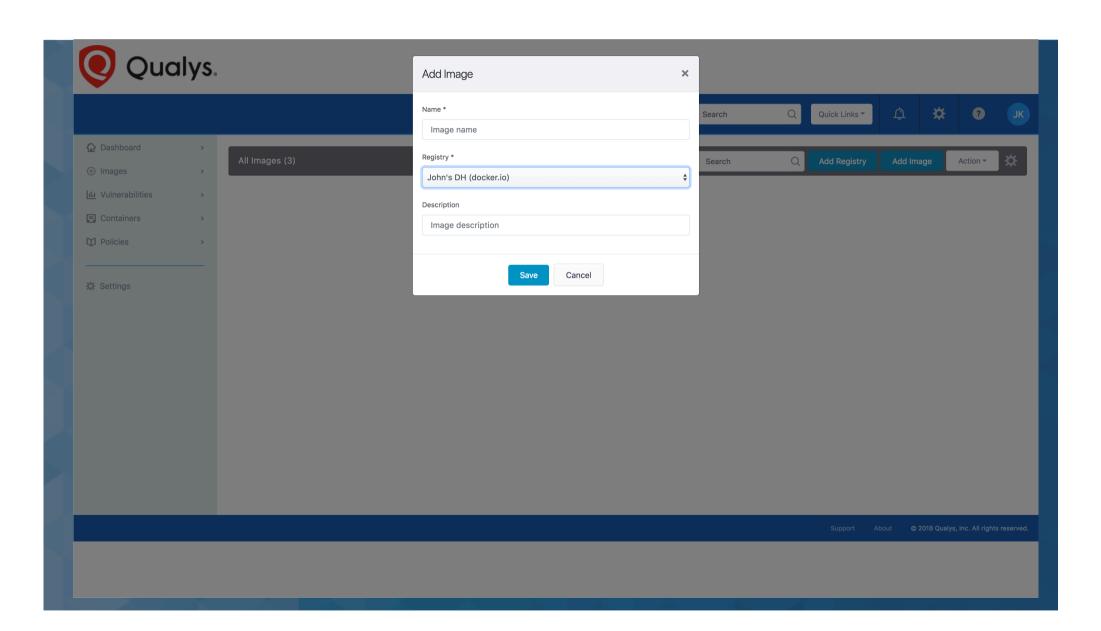




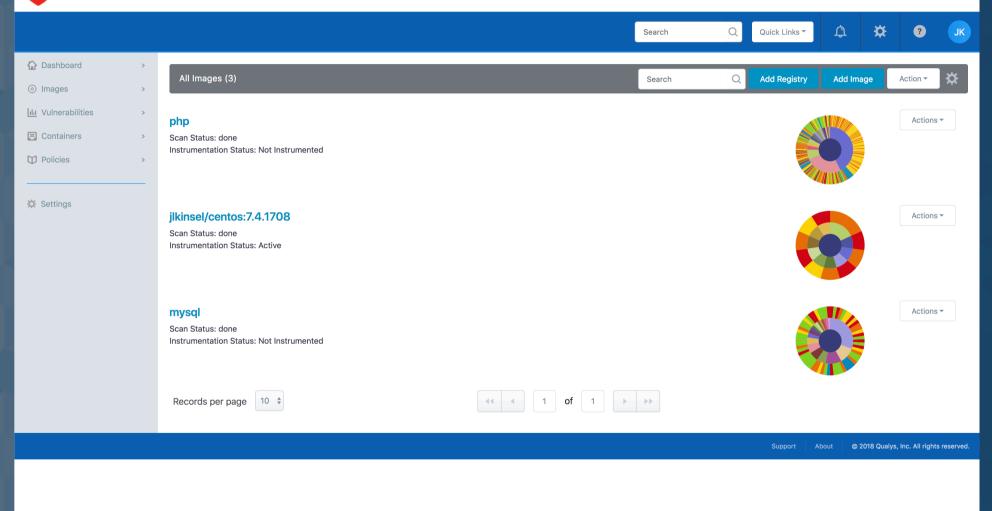




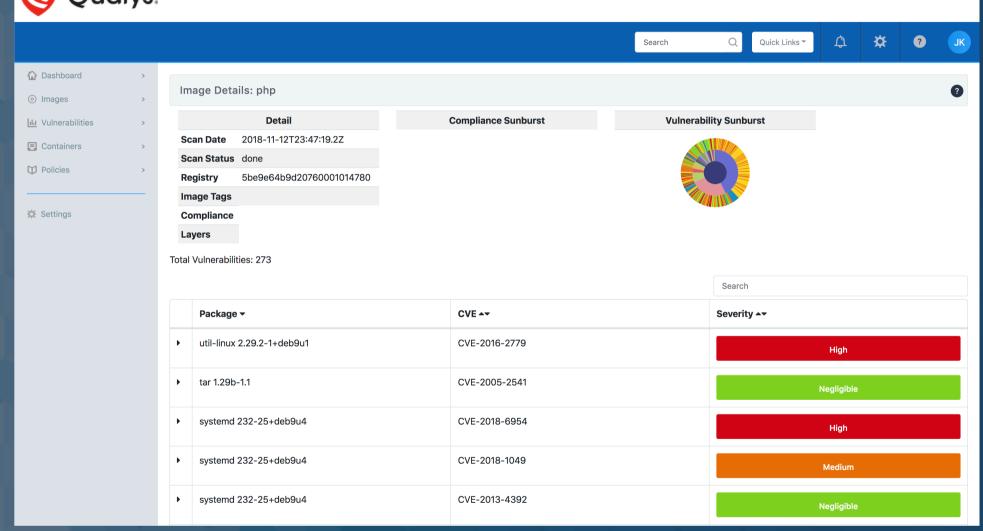


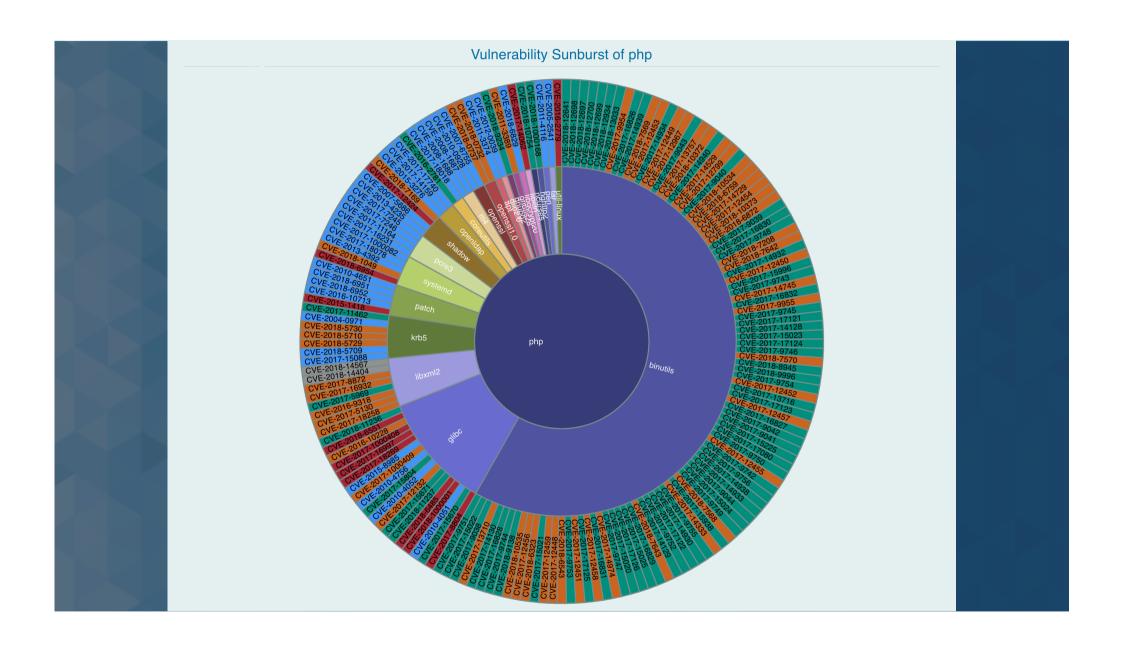




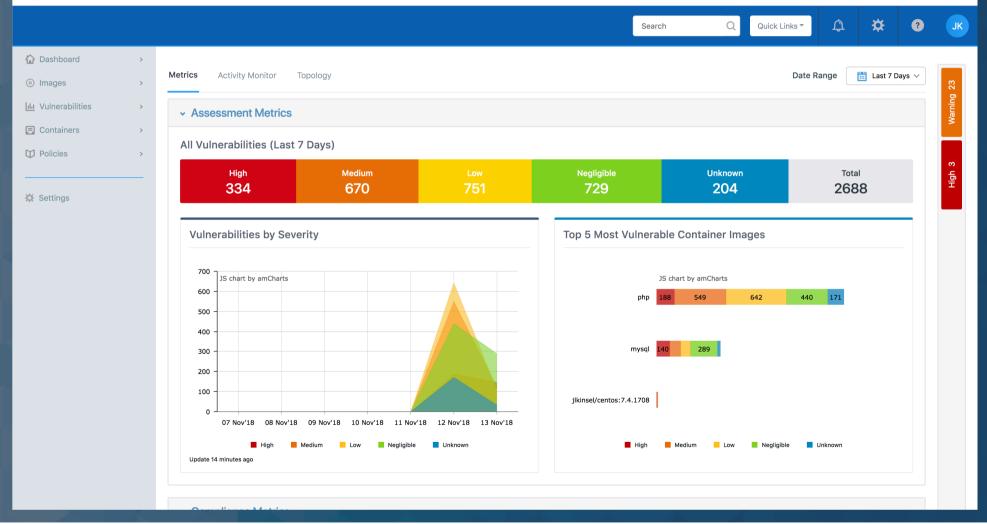




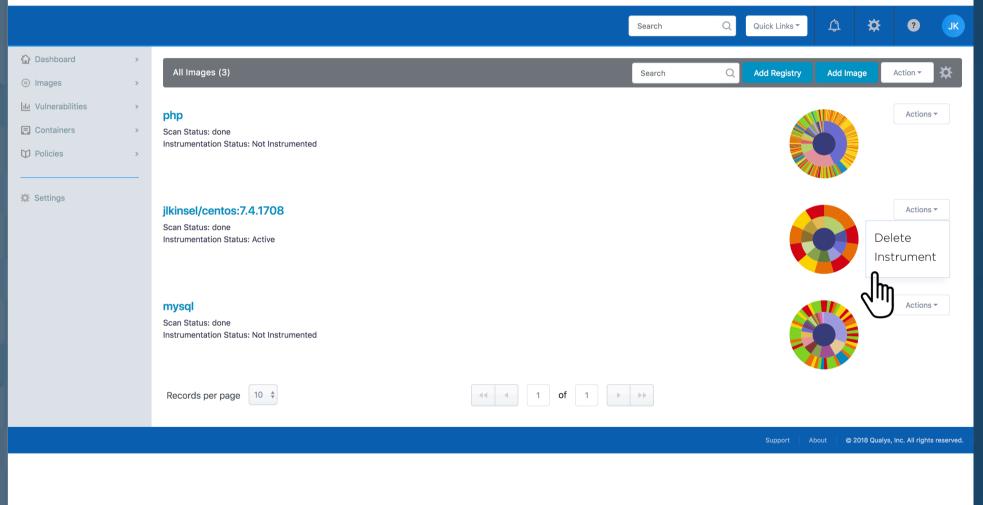




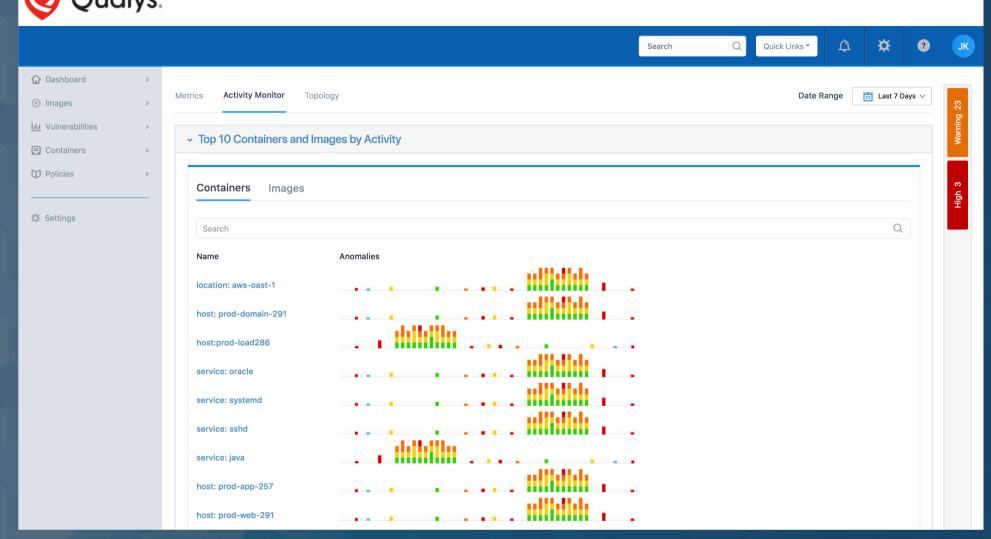




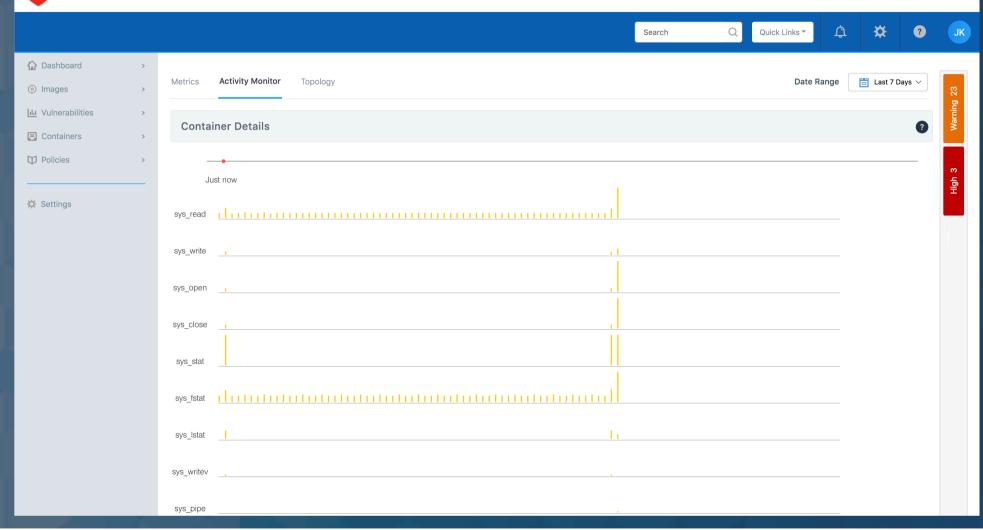




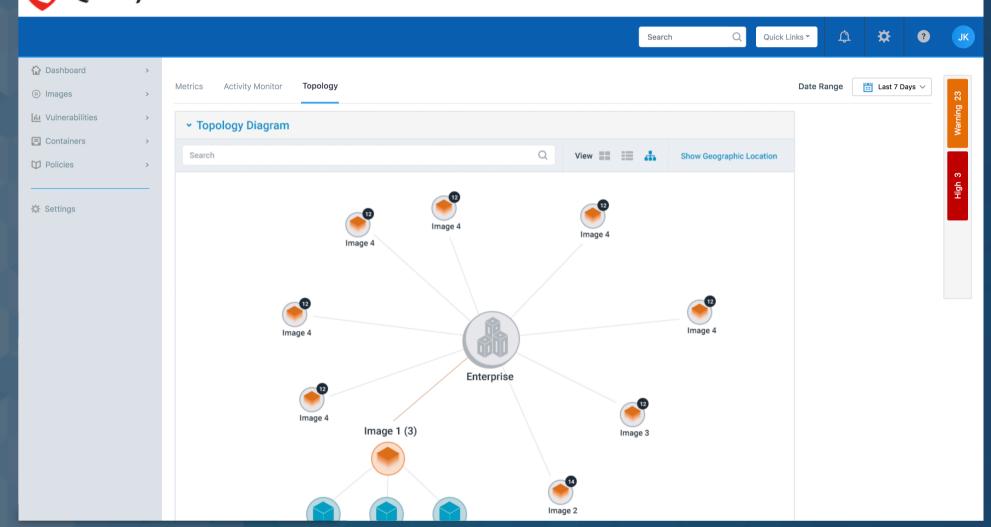




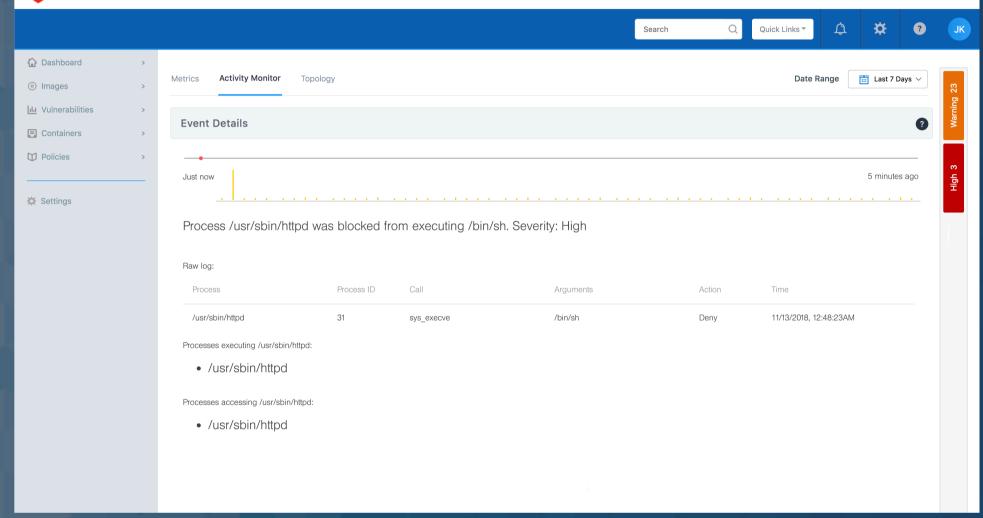














Thank You

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